Mathematical modeling of the crystallization process to obtain a fine fraction aluminates

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Abstract

© Published under licence by IOP Publishing Ltd. Considered process of melt crystallization of the material in a twin-roll mold. Resolved an important problem of heat conduction through the wall of variable thickness, using the Fourier method and theorem Duhamel. Obtain theoretical dependence of the thickness of a frozen layer on the physical parameters of the melt and technological parameters of the crystallization process.

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